

Data for Review and Comment Prepared 07/21/04

Utility	Jupiter, to	wn of			$\wedge \setminus \wedge$	
Permit	50-00010-V	V			\	
	2000	2010	2015	2020	2025	
Finished Water Demands Total	12.88	17.81	20.62	22.88	25.10	
Finished Water Demands Surficial ¹	7.81	11.34	12.77	13.90	15.03	
Bulk Sales to Other Utilities²	0.97					
Bulk Purchases from Other						
Utilities						
Water Required for Treatment				/ .		
Processes ³		1.70	\1.91/	2.09	2.25	
ASR Losses						
Total Surficial Raw Water						
Withdrawal Requirements ⁴	8.78	13.04	14.68	15.99	17.28	
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Finished Water Demands Floridan	5.07	6.26	7.63	8.73	9.81	
Water Required for Floridan						
Treatment Processes ⁵	1.27	1.57	1.91	2.18	2.45	
Total Floridan Raw Water						
Withdrawal Requirements	6.34	7.83	9.54	10.91	12.26	

Finished Water Demands include sales to metered customers, unmetered uses and other unaccounted for water losses.

Net bulk sales in 2000 are to Tequesta. They are not expected to be in effect in any of the projection years.

³ Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

⁴ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has been identified as an existing and expected user of Floridan Aquifer raw water.

⁵ To account for the combined effect of reject water and possible use of some of this water for blending, an amount is equal to 25% of the Finished Water Demands to be met from Floridan sources is added to the withdrawal requirements.

Draft - Utility Demands and Raw Water Withdrawals

Utility	Mangonia Park Utilities						
Permit	50-00030-V	W					
	2000	2010	2015	2020	2025		
Finished Water Demands ¹	0.63	0.70	0.73	0.76	0.79		
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00		
Bulk Purchases from Other							
Utilities	0.00	0.00	0.00	0.00	0.00		
Water Required for Treatment							
Processes ²	0.00	0.10	0.1/1	0,11	0.12		
ASR Losses	0.00	0.00	0.00	0,00	0.00		
Total Surficial Raw Water							
Withdrawal Requirements ³	0.63	0.80	0.84	0.87	0.91		

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Palm Sprin	os Village			
Permit	50-00036-V				
	2000	2010	2015	2020	2025
Finished Water Demands ¹	4.33	4.66	4.85	4.99	5.16
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	0.70	(0.73/	0.75	0.77
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water					
Withdrawal Requirements ³	4.33	5.36	5.58	5.74	5.93

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

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Utility	Tequesta, v	village of			> \
Permit	50-00046-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	3.21	4.21	4.11	4.04	3.97
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities ²	-0.97	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ³	0.00	0.63	0.62/	0.61	0.59
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		/
Withdrawal Requirements ⁴	2.24	4.84	4.73	4.65	4.56

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

Net bulk purchases in 2000 are from Jupiter. They are not expected to be in effect in any of the projection years.

³ Beginning in 2010 all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

⁴ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Palm Beac	h County U	tilities		> \
Permit	50-00135-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	45.44	53.81	58.43	62.05	65.60
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	8.32	9.01/	9.55	10.09
ASR Losses ³	0.00	1.64	1.64	1.64	1.64
Total Surficial Raw Water					/
Withdrawal Requirements ⁴	45.44	63.77	69.08	73.24	77.33

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² For planning purposes, all utilities are assumed to use nanofiltration to treat surficial water by 2010. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ <u>ASR Losses</u> is an estimate of the excess of water stored vs. water recovered from utility ASR systems. These estimates reflect capacity and utilization patterns that may differ somewhat from current permit and operating procedures. For Palm Beach County Utilities, ASR storage and recovery capacity of 12 mgd was used in developing the estimates.

⁴ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Tropical B	reeze Estate	es		> \
Permit	50-00137-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	0.11	0.15	0.17	0.18	0.20
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	0.02	0.02	0.03	0.03
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water					/
Withdrawal Requirements ³	0.11	0.17	0.19	0.21	0.23

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

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Utility	Delray Bea	ich, city of			> \
Permit	50-00177-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	17.75	19.06	19.84	20.45	21.09
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	2.91	\3.03/	3.12	3.21
ASR Losses ³	0.00	0.33	0.33	0.33	0.33
Total Surficial Raw Water			/		/
Withdrawal Requirements ⁴	17.75	22.30	23.20	23.90	24.63

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ <u>ASR Losses</u> is an estimate of the excess of water stored vs. water recovered from utility ASR systems. These estimates reflect capacity and utilization patterns that may differ somewhat from current permit and operating procedures. For Delray Beach, ASR storage and recovery capacity of 2 mgd was used in developing the estimates.

⁴ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Lake Wort	th Utilities			> \	
Permit	50-00234-V	V				
	2000	2010	2015	2020	2025	
Finished Water Demands Total	7.39	7.97	8.31	8.58	8.86	
Finished Water Demands Surficial ¹	7.39	6.61	6.61	6.61	6.61	
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00	
Bulk Purchases from Other						
Utilities	0.00	0.00	/0.00	0.00	0.00	
Water Required for Treatment						
Processes ²	0.00	0.99	0.99	0.99	0.99	
ASR Losses	0.00	0.00	0.00	0.00	0.00	
Total Surficial Raw Water	/					
Withdrawal Requirements ³	7,39	7.60	7.60	7.60	7.60	
Finished Water Demands Floridan		1.36	1.70	1.97	2.25	
Water Required for Floridan						
Treatment Processes ⁴		0.34	0.43	0.49	0.56	
Total Floridan Raw Water						
Withdrawal Requirements		1.70	2.13	2.46	2.81	

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.
² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aguifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has been identified as an expected user of Floridan Aquifer raw water.

⁴ To account for the combined effect of reject water and possible use of some of this water for blending, an amount is equal to 25% of the Finished Water Demands to be met from Floridan sources is added to the withdrawal requirements.

Utility	Highland I	Beach, city o	f		
Permit	50-00346-V		-		
	2000	2010	2015	2020	2025
Finished Water Demands ¹	1.42	1.61	1.73	1.83	1.92
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	0.24	0.26/	0.27	0.29
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water					
Withdrawal Requirements ³	1.42	1.85	1.99	2.10	2.21

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Seacoast U	tilities			
Permit	50-00365-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	17.41	20.99	22.99	24.59	26.17
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	3.15	\3.45/	3.69	3.93
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		/
Withdrawal Requirements ³	17.41	24.14	26.44	28.28	30.10

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Boca Rator	n, city of			> \
Permit	50-00367-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	44.10	46.29	47.70	48.77	49.96
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	6.94	7.15/	7.31	7.49
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		/
Withdrawal Requirements ³	44.10	53.23	54.85	56.08	57.45

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

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Utility	Royal Paln	n Beach Util	lities		> \
Permit	50-00444-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	2.98	3.43	3.84	4.09	4.33
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities ²	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ³	0.00	0.52	0.58	0.61	0.65
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		
Withdrawal Requirements ⁴	2.98	3.95	4.42	4.70	4.98

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² While Royal Palm Beach Utilities has an interconnect with the City of West Palm Beach Utility, it is not expected to be utilized.

³ Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

⁴ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

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Utility	Riviera Be	ach, city of			
Permit	50-00460-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	8.02	9.38	10.15	10.76	11.37
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment					
Processes ²	0.00	1.41	\1.52/	1.61	1.70
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		/
Withdrawal Requirements ³	8.02	10.79	11.67	12.37	13.07

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Wellington	, city of			> \
Permit	50-00464-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	5.92	6.99	8.07	8.67	9.26
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	1.05	\1.21/	1.30	1.39
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		/
Withdrawal Requirements ³	5.92	8.04	9.28	9.97	10.65

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Boynton B	each, city of	•		> \
Permit	50-00499-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	15.57	16.21	18.27	19.03	19.80
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	2.54	2.85/	2.97	3.08
ASR Losses ³	0.00	0.76	0.76	0.76	0.76
Total Surficial Raw Water			/		/
Withdrawal Requirements ⁴	15.57	19.51	21.88	22.76	23.64

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ <u>ASR Losses</u> is an estimate of the excess of water stored vs. water recovered from utility ASR systems. These estimates reflect capacity and utilization patterns that may differ somewhat from current permit and operating procedures. For Boynton Beach, ASR storage and recovery capacity of 6 mgd was used in developing the estimates.

⁴ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

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Utility	Manalapai	n, town of			> \
Permit	50-00506-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	1.34	1.43	1.50	1.54	1.58
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment					
Processes ²	0.00	0.22	0.22/	0.23	0.24
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		
Withdrawal Requirements ³	1.34	1.65	1.72	1.77	1.82

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	Lake Wort	h Village			> \
Permit	50-00572-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	0.25	0.45	0.41	0.37	0.35
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	0.07	0.06	0.06	0.05
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water					
Withdrawal Requirements ³	0.25	0.52	0.47	0.43	0.40

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

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Utility	Lantana, to	own of			
Permit	50-00575-V	W			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	2.40	2.65	2.80	2.91	3.03
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	0.40	0.42/	0.44	0.45
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water			/		/
Withdrawal Requirements ³	2.40	3.05	3.22	3.35	3.48

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

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Utility	Golf, villag	e of			> \
Permit	50-00612-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	0.47	0.49	0.50	0.50	0.51
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment					
Processes ²	0.00	0.07	0.07/	0.08	0.08
ASR Losses	0.00	0.00	0.00	0.00	0.00
Total Surficial Raw Water					\
Withdrawal Requirements ³	0.47	0.56	0.57	0.58	0.59

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses. For the Village of Golf, the effect of changes in seasonality of residence patterns on total demands and the seasonal pattern of demands is an issue that needs to be addressed.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Utility	West Palm	Beach, city	of		> \
Permit	50-00615-V	V			
	2000	2010	2015	2020	2025
Finished Water Demands ¹	28.55	32.68	35.03	36.87	38.70
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00
Bulk Purchases from Other					
Utilities	0.00	0.00	0.00	0.00	0.00
Water Required for Treatment				/	
Processes ²	0.00	5.11	\5.46/	5.74	6.01
ASR Losses ³	0.00	1.40	1.40	1.40	1.40
Total Surficial Raw Water			/		/
Withdrawal Requirements ⁴	28.55	39.19	41.89	44.01	46.11

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ <u>ASR Losses</u> is an estimate of the excess of water stored vs. water recovered from utility ASR systems. These estimates reflect capacity and utilization patterns that may differ somewhat from current permit and operating procedures. West Palm Beach, ASR storage and recovery capacity of 8 mgd was used in developing the estimates.

⁴ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.

Draft - Utility Demands and Raw Water Withdrawals

Utility	Seminole Improvement District							
Permit	50-03711-V	W						
	2000	2010	2015	2020	2025			
Finished Water Demands ¹	0.36	0.31	0.31	0.31	0.31			
Bulk Sales to Other Utilities	0.00	0.00	0.00	0.00	0.00			
Bulk Purchases from Other								
Utilities	0.00	0.00	0.00	0.00	0.00			
Water Required for Treatment								
Processes ²	0.00	0.05	0.05	0,05	0.05			
ASR Losses	0.00	0.00	0.00	0,00	0.00			
Total Surficial Raw Water								
Withdrawal Requirements ³	0.36	0.36	0.36	0.36	0.36			

¹ <u>Finished Water Demands</u> include sales to metered customers, unmetered uses and other unaccounted for water losses.

² Beginning in 2010, all utilities are assumed to use nanofiltration to treat surficial water. To account for reject water, an amount is equal to 15% of the Finished Water Demands is added to the withdrawal requirements.

³ Separate estimates for Floridan Aquifer Raw Water Withdrawal Requirements are provided when such use is projected. This utility has not been identified as an existing or expected user of Floridan Aquifer raw water.